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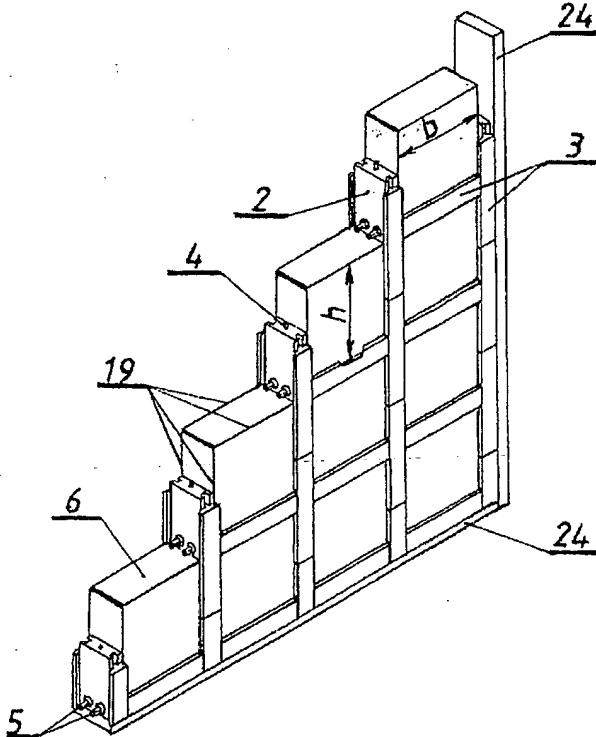
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(54) Title: WALL CONSTRUCTION USING HOLLOW GLASS BUILDING ELEMENTS



(57) **Abstract.** The construction unit to be used in erecting both flat and arched profiled walls consists of supporting elements being the horizontal and vertical fasteners (1 and 2) in a form of joined blocks, which on their frontal sides are provided with longitudinal holes (7 and 12) with mortises (10), whereas on the lateral sides of the vertical fasteners (2) they are provided with transverse holes (13) overlapping with the holes (7) of the horizontal fasteners (1), in these holes the treaded fasteners combining the entire construction are being mounted. The longitudinal holes (7 and 12) with mortises (10) of the fasteners may be given a form of the grooved recesses (7a and 12a) with mortises (10a). On both external sides, to the horizontal and vertical fasteners -profiled slats (3) are being fixed, edges (16) of which are somewhat advanced outside the lateral edges (17 and 18) of these fasteners. The threaded fastener is composed of a stud-bolt (4) and a longitudinal nut (5) co-operating with it. The horizontal fast has a length (a) preferably equal to the length (b) of the glass hollow tile (6), whereas the transverse holes (13) of the vertical fastener are situated in relation to the frontal surfaces (25), containing each other after the assembly, at a distance (s) equal to the sum of a half of height (h) of the hollow tile and a half of thickness (d) of the horizontal fastener. In order to construct arched profiled walls, the unit is provided with the distance pads (20) in a form of tongues, mounted in front of the convex section, between the side surfaces (21) of the vertical fastener and the frontal surfaces (22) of the horizontal fastener.